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ATTORNEY DOCKET NO. 502972-PCT-US-A

CLIENT REF. NO. 03-2285A-US

10/576989
U.S. APPLICATION NO. 60/516,148

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 USC 371 AND 37 CFR 1.491**

INTERNATIONAL APPLICATION NO.
PCT/US2004/35651

INTERNATIONAL FILING DATE
October 27, 2004

PRIORITY DATE CLAIMED
October 31, 2003

TITLE OF INVENTION METHOD AND APPARATUS FOR CONTROLLING EXHAUST GAS RECIRCULATION AND START OF COMBUSTION IN
RECIPROCATING COMPRESSION IGNITION ENGINES WITH AN IGNITION SYSTEM WITH IONIZATION MEASUREMENT

APPLICANT(S) FOR DO/EO/US Ed VanDyne and Mark R. Woolston

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.
3. ☐ This is an express request to begin national examination procedures (35 USC 371(f)).
4. ☐ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 USC 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 USC 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 USC 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).
11. Nucleotide and/or Amino Acid Sequence Submission
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ Paper Copy
 - c. ☐ Statement verifying identity of above copies

Items 12 to 19 below concern other document(s) or information included:

12. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
 - ☐ Form PTO-1449
 - ☐ Copies of References (except for U.S. patents and applications)
13. ☐ An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
14. ☒ A FIRST preliminary amendment.
 - ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☒ Application Data Sheet Under 37 CFR 1.76
18. ☒ Return Receipt Postcard
19. ☐ Other items or information:

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IAP15 Rec'd PCT/PTO 21 APR 2006

U.S. APPLICATION NO. 60/516,148		INTERNATIONAL APPLICATION NO. PCT/US2004/35651		ATTORNEY DOCKET NO. 502972-PCT-US-A		CLIENT REF. NO. 03-2285A-US	
20. The following fees are submitted:						CALCULATIONS	PTO USE ONLY
<input checked="" type="checkbox"/> National Stage Filing Fee						\$300.00	
Search Fee						\$100.00	
<input checked="" type="checkbox"/> USPTO was ISA				\$100.00			
<input type="checkbox"/> Search report provided to USPTO by other entity				\$400.00			
<input type="checkbox"/> All other situations				\$500.00			
Examination Fee						\$100.00	
<input checked="" type="checkbox"/> US was IPEA and all claims satisfy PCT Article 33(1)-(4)				\$100.00			
<input type="checkbox"/> All other situations				\$200.00			
ENTER APPROPRIATE BASIC FEE AMOUNT=						\$500.00	
<input type="checkbox"/> Claim Fee							
CLAIMS		NUMBER FILED		NUMBER EXTRA		RATE	
Total Claims		24 -20=		4		x \$ 50.00	
Independent Claims		5 - 3 =		2		x \$200.00	
<input type="checkbox"/> Multiple Dependent Claim(s) (if applicable)						+\$360.00	
<input type="checkbox"/> Application Size Fee (\$250 for each additional 50 sheets over 100)						\$	
<input type="checkbox"/> Surcharge of \$130.00 for furnishing the National fee or oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date.						\$	
TOTAL OF ABOVE CALCULATIONS=						\$1,100.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.						\$ ()	
SUBTOTAL=						\$1,100.00	
<input type="checkbox"/> Processing fee of \$130.00 for furnishing English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date.						\$	
TOTAL NATIONAL FEE=						\$1,100.00	
<input type="checkbox"/> Fee for recording the enclosed assignment. The assignment must be accompanied by an appropriate cover sheet. \$40.00 per property.						+	\$
TOTAL FEE=						\$1,100.00	
						Amount to be: refunded	\$
						charged:	\$

- a. ☐ No fee is believed to be due.
- b. ☒ Please charge Deposit Account No. 50-3505 the total fee indicated above.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3505. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO CUSTOMER NO.
53609:

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CERTIFICATION UNDER 37 CFR 1.10

"Express Mail" Label Number: EV 746146213 US

Date of Deposit:

April 21, 2006

I hereby certify that this transmittal document with respect to the U.S. national phase of the above-referenced International Patent Application, including all of the items listed thereon as enclosures, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Tracey Johnson

Printed Name of Person Signing:

Signature

